

**S-3B AIRCRAFT TACTICS TRAINER, DEVICE 2F92B (T)****TRAINING CATEGORY:**

AIR (ASW)

ORIGINATING AGENCY:

DCNO/AIR

SECURITY CLASSIFICATION:

Device 2F92B (T) is Secret.

PURPOSE OF DEVICE:

To provide realistic training in the use of S-3B tactics systems.

INTENDED USE:

To train tactical ASW crews to use tactics systems and equipment. Tactics team exercises require the Copilot, Tactical Coordinator (TACCO),

and Sensor Operator (SENSO) trainees to operate as a team to complete a common training exercise. The device may also be used to train these crew members, independently, in each of three (3) positions:

Pseudo-Copilot
TACCO
SENSO

FUNCTIONAL DESCRIPTION:

Device 2F92B (T) can be coupled to the Operational Flight Trainer (OFT) to run a coordinated training mission. When coupled the trainers are in the Integrated mode. When they are running separately the trainers are in the Independent mode. The WST can be configured for Tactics Team (TT) or Position Trainer (PT) modes when independent of the OFT. Pseudo-copilot PT exercises provide training on Nonacoustic Sensor, Navigation, and Communications systems. TACCO PT exercises provide training on Navigation, Communications, Search Stores, Kill Stores, and Tactical Display systems.

DIRECTORY OF NAVAL TRAINING DEVICES

Simulated acoustic and nonacoustic contact, and fix data are automatically provided by TACCO simulation software to provide vector and fix data for the GPDC operational and tactical programs and displays. The SENSO PT exercises provide training on the Acoustic Sensor Systems.

PHYSICAL INFORMATION:

Unit	Length (In.)	Depth (In.)	Height (In.)	Weight (Lb)
1	96	32	82	1200
2	64	32	82	1300
3	74	36	90	1786
5	81 3	32	82	1200
6	47	41	75	800
7	18.3	32.5	59.5	382
9	94	31	71	1446
10	136	32	71	2475
14	64	32	82	1030
15	128	32	82	2060
16	72	36	62	1260
17	64	32	82	1030
20	63	30	71	1650
24-26 Incl in Unit 32 area.				
27	22	30	61	350
28	72	61.5	68	1385
29	72	61.5	68	1385
30	22	30	27	250
31	27	23	44	180
32	212	96	96	8025
39 Incl in Unit 32 area.				
53	32	32	82	400
60	24	31	78	400
64	26	27	36	100
66	21	24	12	30

Power	U 1	NAV/COMM	U 2
Avionics	U 3	AIS/DASG	U 5
E2 Rack	U 6	GPDC	U 7
Flt Comptr	U 9	Tactics Comptr	U 10
Nonacoustic	U 14	I/O	U 15
ESM	U 16	Flt/Tac Coupl	U 17
DIFAR Cmptr	U 20	TACCO Sta	U 24
SENSO Sta	U 25	Pseudo Coplt Sta	U 26
Instr Consl	U 28	Oper Console	U 29
Hard Copy	U 30	DECWriter	U 31
Tac Trainees	U 32	Pseudo Plt Sta	U 39
Power Flight	U 53	Visual Comptr	U 60
Hard Cpy Flt	U 64	Off-Line CRT, Flt	U 66

EQUIPMENT REQUIRED (NOT SUPPLIED):

Security Cabinet to store classified material.

POWER REQUIREMENTS:

	Hz	VAC
Input	60 ± 5%	120/208 ± 10%
Input	60 ± 5%	277/480 ± 10%
Max Peak Power: 55.47 KVA, 154 A/phase		
Input	400 ± 5%	115/200 ± 10%
Max Peak Power: 16.80 KVA, 60 A/phase		
Max Start Power: Within limits above		

INSTALLATION REQUIREMENTS:

Floor Loading: 45,126 lb; 225 lb/sq ft
 Distr Loading: 1000 lb/sq in./point ft
 Temperature: 65 to 72 degrees F
 Humidity: 50 to 60% noncondensing
 Air Conditioning Required:
 25.93 Tons, Training Room
 Acoustical Environment:
 Trainer 65 dB(A)
 Computer 75 dB(A)

PUBLICATIONS FURNISHED:

1. Operation and Maintenance Instructions
NTSC P-5960 (U)
2. Planned Maintenance System,
NTSC P-5961 (U)
3. Commercial Computer Documentation Set
NTSC P-5962 (U)

PERSONNEL:

Maintenance Men: 3 ET or equivalent (E)
 Instructors: 1 AW1 or (E) & 1 to 3 NFO
 Operators: Instructor-operated
 Trainees: One (1) Copilot, One (1) TACCO,
 One (1) SENSO

CONTRACT IDENTIFICATION:

Manufactured by Link Tactical Simulation
 Division of CAE-Link Corp., Silver Spring, MD
 under Contract No. N00019-87-C-0148.

LOCAL STOCK NUMBER:

6930-LL-C00-7054